

04/19/99  
jc664 U.S. PTO

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PTO/SB/05 (1998)  
Approved for use through 09/30/2000. OMB 0651/0032  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 C.F.R. § 1.53(b))

Attorney Docket No.	678-259 (P8730-US/STN/1sd)
First Inventor or Application Identifier	CHANG-SOO PARK
Title	APPARATUS AND METHOD FOR CHANNEL...
Express Mail Label No.	EL228630687US

APPLICATION ELEMENTS <i>See MPEP chapter 600 concerning utility patent application contents.</i>	ADDRESS TO: Assistant Commissioner for Patents Box Patent Application Washington, DC 20231	
1. <input checked="" type="checkbox"/> * Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing)	5. <input type="checkbox"/> Microfiche Computer Program (Appendix)	
2. <input checked="" type="checkbox"/> Specification [Total Pages 17] (preferred arrangement set forth below) <ul style="list-style-type: none"><li>- Descriptive title of the Invention</li><li>- Cross References to Related Applications</li><li>- Statement Regarding Fed sponsored R &amp; D</li><li>- Reference to Microfiche Appendix</li><li>- Background of the Invention</li><li>- Brief Summary of the Invention</li><li>- Brief Description of the Drawings (if filed)</li><li>- Detailed Description</li><li>- Claim(s)</li><li>- Abstract of the Disclosure</li></ul>	6. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) <ul style="list-style-type: none"><li>a. <input type="checkbox"/> Computer Readable Copy</li><li>b. <input type="checkbox"/> Paper Copy (identical to computer copy)</li><li>c. <input type="checkbox"/> Statement verifying identity of above copies</li></ul>	
3. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets 7]	<b>ACCOMPANYING APPLICATION PARTS</b>	
4. Oath or Declaration [Total Pages ] <ul style="list-style-type: none"><li>a. <input type="checkbox"/> Newly executed (original or copy)</li><li>b. <input type="checkbox"/> Copy from a prior application (37 C.F.R. § 1.63(d)) (for continuation/divisional with Box 16 completed)</li><li>i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b> Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).</li></ul>	7. <input type="checkbox"/> Assignment Papers (cover sheet & document(s))	
<b>* NOTE FOR ITEMS 1 &amp; 13: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28).</b>		
16. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment: <input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP) of prior application No: _____ Prior application information: Examiner _____ Group / Art Unit: _____ <b>For CONTINUATION or DIVISIONAL APPS only:</b> The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.		
13. <input type="checkbox"/> Statement(s) <input type="checkbox"/> Statement filed in prior application, Status still proper and desired (PTO/SB/03-12) 14. <input type="checkbox"/> Certified Copy of Priority Document(s) (if foreign priority is claimed) 15. <input type="checkbox"/> Other: _____		

16. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment:  
☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: \_\_\_\_\_  
Prior application information: Examiner \_\_\_\_\_ Group / Art Unit: \_\_\_\_\_  
**For CONTINUATION or DIVISIONAL APPS only:** The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

17. CORRESPONDENCE ADDRESS					
<input type="checkbox"/> Customer Number or Bar Code Label (Insert Customer No. or Attach bar code label here) or <input checked="" type="checkbox"/> Correspondence address below					
Name	Paul J. Farrell, Esq. DILWORTH & BARRESE				
Address	333 Earle Ovington Boulevard				
City	Uniondale	State	New York	Zip Code	11553
Country	U.S.A.	Telephone	(516) 228-8484	Fax	(516) 228-8515

Name (Print/Type)	Paul J. Farrell, Esq.	Registration No. (Attorney/Agent)	33,494
Signature	<i>Paul J. Farrell</i>	Date	4/19/99

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

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# FEE TRANSMITTAL

Patent fees are subject to annual revision on October 1.  
These are the fees effective October 1, 1997.  
Small Entity payments must be supported by a small entity statement,  
otherwise large entity fees must be paid. See Forms PTO/SB/09-12.  
See 37 C.F.R. §§ 1.27 and 1.28.

TOTAL AMOUNT OF PAYMENT (\$ 982.00

## Complete if Known

Application Number  
Filing Date April 19, 1999  
First Named Inventor CHANG-SOO PARK  
Examiner Name  
Group / Art Unit  
Attorney Docket No. 678-259 (P8730-US/STN/1sd)

## METHOD OF PAYMENT (check one)

1. ☒ The Commissioner is hereby authorized to charge  
indicated fees and credit any over payments to:  
Deposit Account Number 04-1121  
Deposit Account Name DILWORTH & BARRESE  
☒ Charge Any Additional Fee Required Under 37 C.F.R. §§ 1.16 and 1.17 ☐ Charge the Issue Fee Set in 37 C.F.R. § 1.18 at the Mailing of the Notice of Allowance

2. ☒ Payment Enclosed:  
☒ Check ☐ Money Order ☐ Other

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity Code	Small Entity Code	Fee (\$)	Fee Description	Fee Paid
101	201	380	Utility filing fee	760.00
106	206	155	Design filing fee	
107	207	240	Plant filing fee	
108	208	380	Reissue filing fee	
114	214	75	Provisional filing fee	

SUBTOTAL (1) (\$)

### 2. EXTRA CLAIM FEES

Total Claims	Extra Claims	Fee from below	Fee Paid
28	-20** = 8	18.00	144.00
4	-3** = 1	78.00	78.00
Multiple Dependent			

\*\*or number previously paid, if greater; For Reissues, see below

Large Entity Code	Small Entity Code	Fee (\$)	Fee Description
103	203	9	Claims in excess of 20
102	202	39	Independent claims in excess of 3
104	204	130	Multiple dependent claim, if not paid
109	209	39	** Reissue independent claims over original patent
110	210	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$ 222.00

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Entity Code	Small Entity Code	Fee (\$)	Fee Description	Fee Paid
105	205	65	Surcharge - late filing fee or oath	
127	227	25	Surcharge - late provisional filing fee or cover sheet.	
139	239	130	Non-English specification	
147	247	2,520	For filing a request for reexamination	
112	212	920*	Requesting publication of SIR prior to Examiner action	
113	213	1,840*	Requesting publication of SIR after Examiner action	
115	215	55	Extension for reply within first month	
116	216	190	Extension for reply within second month	
117	217	435	Extension for reply within third month	
118	218	680	Extension for reply within fourth month	
128	228	925	Extension for reply within fifth month	
119	219	150	Notice of Appeal	
120	220	150	Filing a brief in support of an appeal	
121	221	130	Request for oral hearing	
138	238	1,510	Petition to institute a public use proceeding	
140	240	55	Petition to revive - unavoidable	
141	241	605	Petition to revive - unintentional	
142	242	605	Utility issue fee (or reissue)	
143	243	215	Design issue fee	
144	244	290	Plant issue fee	
122	222	130	Petitions to the Commissioner	
123	223	50	Petitions related to provisional applications	
126	226	240	Submission of Information Disclosure Stmt	
581	281	40	Recording each patent assignment per property (times number of properties)	
146	246	380	Filing a submission after final rejection (37 CFR 1.129(a))	
149	249	380	For each additional invention to be examined (37 CFR 1.129(b))	

Other fee (specify) \_\_\_\_\_

Other fee (specify) \_\_\_\_\_

\* Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)

## SUBMITTED BY

Typed or Printed Name Paul J. Farrell, Esq.

Signature

*Paul J. Farrell*

Date

4/19/99

## Complete (if applicable)

Reg. Number 33,494

Deposit Account User ID

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

PATENT

Atty. Docket No. 678-259 (P8730-US/STN/lrd)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Assistant Commissioner for Patents  
Washington, D.C. 20231

UTILITY APPLICATION FEE TRANSMITTAL

Sir:

Transmitted herewith for filing is the patent application of

Inventor(s): CHANG-SOO PARK and HYEON-WOO LEE

For: APPARATUS AND METHOD FOR CHANNEL ENCODING/DECODING IN A  
COMMUNICATION SYSTEM

Enclosed are:

[X] 17 page(s) of specification  
(including **claims** and **abstract**)

[X] 7 sheets of drawings [X] **formal** [ ] **informal**


[ ] \_\_\_\_\_ page(s) of Declaration and Power of Attorney

[ ] An Assignment of the invention to \_\_\_\_\_

CERTIFICATION UNDER 37 C.F.R. § 1.10

I hereby certify that this New Application Transmittal and the documents referred to as enclosed therein are being deposited with the United States Postal Service on this date April 19, 1999 in an envelope as "Express Mail Post Office to Addressee" Mail Label Number EL228630687US addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231.

George Likourezos  
(Type or print name of person mailing paper)

  
(Signature of person mailing paper)

[ ] This application claims the benefit under 35 U.S.C. §119(e) of U.S. Provisional Application(s) No(s) .:

APPLICATION NO(S) .:

FILING DATE

\_\_\_\_/\_\_\_\_

\_\_\_\_\_

\_\_\_\_/\_\_\_\_

\_\_\_\_\_

[X] Certified copy of applications

Country

Appln. No.

Filed

Korea

13957/1998

April 18, 1998

from which priority under Title 35 United States Code, § 119 is claimed

[ ] is enclosed.

[X] will follow.

CALCULATION OF UTILITY APPLICATION FEE

For	Number Filed	Number Extra	Rate	Basic Fee \$ 760.00
Total				
Claims*	28	-20 = 8	x \$ 18.00	\$ 144.00
Independent				
Claims	4	-3 = 1	x \$ 78.00	\$ 78.00
Multiple	[ ] yes	Add'l. Fee	\$270.00	\$
Dependent				
Claims	[ ] no	Add'l. Fee	None	= \$

TOTAL \$ 982.00

[ ] Verified Statement of "Small Entity" Status Under 37 C.F.R. § 1.27. Reduced fees under 37 C.F.R. § 1.9(f) (50% of total) paid herewith \$\_\_\_\_\_.

[ ] The amount of \$40.00 for recording the attached Assignment is enclosed.

[X] A check in the amount of \$ 982.00 to cover the filing fee(s) is attached.

[ ] Charge fee to Deposit Account No. 04-1121. Order No. \_\_\_\_\_  
TWO (2) COPIES OF THIS SHEET ARE ENCLOSED.

\*Includes all independent and single dependent claims and all claims referred to in multiple claims.  
See 37 C.F.R. § 1.75(c).

[X] Please charge any deficiency as well as any other fee(s) which may become due under 37 C.F.R. § 1.16 and 1.17, at any time during the pendency of this application, or credit any overpayment of such fee(s) to Deposit Account No. 04-1121. Also, in the event any extensions of time for responding are required for the pending application(s), please treat this paper as a petition to extend the time as required and charge Deposit Account No. 04-1121 therefor. **TWO (2) COPIES OF THIS SHEET ARE ENCLOSED.**

[X] Address all future correspondence to:

Paul J. Farrell, Esq.  
DILWORTH & BARRESE  
333 Earle Ovington Boulevard  
Uniondale, New York 11553  
(516) 228-8484

Date: April 19, 1999



SIGNATURE OF ATTORNEY

Paul J. Farrell

Reg. No. 33,494

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